CLAIMS:

1.   Device for recording real-time information on a record carrier (3),
the device having

-          recording means (102) for recording data blocks based on logical addresses on the
           record carrier,

-          a file subsystem (303) for storing the real-time information in units having unit
           numbers (SPN) in the data blocks according to predefined allocation rules, which
           rules include storing a stream of real-time information that is to be reproduced
           seamlessly in a sequence of extents of consecutive data blocks, the extents having at
           least a predefined extent length, and

-          an application subsystem (8,302) for managing application control information, the
           application control information including

-          at least one clip of the real-time information, the clip comprising a clip info for
           accessing a clip stream of the units of real-time information via the unit numbers,

-          at least one playlist, the playlist comprising at least one playitem, the playitem
           indicating a part to be played of the real-time information in the clip, the playlist
           indicating in which order playitems have to be reproduced, and

-          at least one bridge clip for linking a first and a second playitem via the bridge clip, a
           bridge clip stream comprising re-encoded real-time information based on an ending
           part of the first clip and a starting part of the second clip,

-          the file subsystem (303) being arranged for copying additional units of real-time
           information from a part of the first clip stream before the ending part of the first clip
           and/or from a part of the second clip stream after the starting part of the second clip
           for creating the bridge clip stream having at least the predefined extent length, and

-          the application subsystem (8,302) being arranged for adapting the application control
           information for accessing the bridge clip stream including said additionally copied
           units.

2.   Device as claimed in claim 1, wherein the file subsystem (303) is arranged for providing access information to the application subsystem for indicating the location of said additionally copied units.

5   3.   Device as claimed in claim 2, wherein the file subsystem (303) is arranged for providing the access information by sending a message indicating the first unit that has been additionally copied by an exit unit number from the part of the first clip before the ending part of the first clip and/or indicating the last unit that has been additionally copied by an entry unit number to the part of the second clip after the starting part of the second clip.

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4.   Device as claimed in claim 1, wherein the file subsystem (303) is arranged for copying the units from the first clip stream before the ending part of the first clip and/or the units from the second clip stream after the starting part of the second clip for creating the bridge clip, and the application subsystem (8,302) is arranged adapting the application

15   control information for accessing the bridge clip and skipping the first clip stream and/or the second clip stream.

5.   ·   Device as claimed in claim 1, wherein the file subsystem (303) is arranged for said copying by selecting a unit that is aligned with a start of a data block as the first unit that

20   is to be additionally copied, or by selecting a unit that is aligned with an end of a data block as the last unit that is to be additionally copied.

6.   Device as claimed in claim 5, wherein the recording means (102) are arranged for recording error correction blocks containing a predefined number of the data blocks, and

25   the file subsystem (303) is arranged for said copying by selecting a unit that is aligned with a start of an error correction block as the first unit that is to be additionally copied, or by selecting a unit that is aligned with an end of an error correction block as the last unit that is to be additionally copied.

30   7.   Method of controlling recording of real-time information in data blocks based on logical addresses, the method comprising
    -    storing (348) the real-time information in units having unit numbers in the data blocks according to predefined allocation rules (345), which rules include storing a stream of

real-time information that is to be reproduced seamlessly in a sequence of extents of
consecutive data blocks, the extents having at least a predefined extent length,

- managing (342) application control information, the application control information
  including

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- at least one clip of the real-time information, the clip comprising a clip info for
  accessing a clip stream of the units of real-time information via the unit numbers,

- at least one playlist, the playlist comprising at least one playitem, the playitem
  indicating a part to be played of the real-time information in the clip, the playlist
  indicating in which order playitems have to be reproduced, and

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- at least one bridge clip (343) for linking a first and a second playitem via the bridge
  clip, a bridge clip stream comprising re-encoded real-time information based on an
  ending part of the first clip and a starting part of the second clip,

- copying (346) additional units of real-time information from a part of the first clip
  stream before the ending part of the first clip and/or from a part of the second clip

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  stream after the starting part of the second clip for creating the bridge clip stream
  having at least the predefined extent length, and

- adapting (347) the application control information for accessing the bridge clip stream
  including said additionally copied units.

20 8.   Computer program product for controlling recording of real-time information,
which program is operative to cause a processor to perform the method as claimed in claim 7.

9.   Record carrier carrying real-time information and corresponding application
control information in data blocks based on logical addresses,

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- the real-time information being stored in units having unit numbers in the data blocks
  according to predefined allocation rules, which rules include storing a stream of real-
  time information that is to be reproduced seamlessly in a sequence of extents of
  consecutive data blocks, the extents having at least a predefined extent length,

- the application control information including

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- at least one clip of the real-time information, the clip comprising a clip info for
  accessing a clip stream of the units of real-time information via the unit numbers,

- at least one playlist, the playlist comprising at least one playitem, the playitem
  indicating a part to be played of the real-time information in the clip, the playlist
  indicating in which order playitems have to be reproduced, and

- at least one bridge clip for linking a first and a second playitem via the bridge clip, a bridge clip stream comprising re-encoded real-time information based on an ending part of the first clip and a starting part of the second clip,

- the bridge clip stream containing additional units of real-time information copied from a part of the first clip stream before the ending part of the first clip and/or from a part of the second clip stream after the starting part of the second clip for creating the bridge clip stream having at least the predefined extent length, and

- the application control information including information for accessing the bridge clip stream including said additionally copied units.